

SEQUENCE LISTING

<110> Kitamura, Toshio
Kumagai, Hidetoshi

<120> MAST CELL-DERIVED MEMBRANE PROTEINS

<130> 14875-142US1

<150> PCT/JP2003/013921

<151> 2003-10-30

<150> JP 2002-316680

<151> 2002-10-30

<150> JP 2002-354165

<151> 2002-12-05

<160> 6

<170> PatentIn version 3.1

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<221> CDS

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cctgccggtg acccgtgtgt gggagaa atg acc caa ctg gcc tca gct gtg tgg	174
Met Thr Gln Leu Ala Ser Ala Val Trp	
1 5	
ctg ccc acg ctg ttg ctg ctg ctg ctg ctt ttt tgg ctt cca ggc tgt	222
Leu Pro Thr Leu Leu Leu Leu Leu Leu Phe Trp Leu Pro Gly Cys	
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gtc cct ctg cat ggt ccc agc acc atg aca gga agt gtg ggt caa tcc	270
Val Pro Leu His Gly Pro Ser Thr Met Thr Gly Ser Val Gly Gln Ser	
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ctg agt gtg tcg tgt cag tat gag gag aaa ttt aag act aag gac aaa	318
Leu Ser Val Ser Cys Gln Tyr Glu Glu Lys Phe Lys Thr Lys Asp Lys	
45 50 55	
tac tgg tgc aga ggg tca ctt aag gta ctg tgc aaa gat att gtc aag	366
Tyr Trp Cys Arg Gly Ser Leu Lys Val Leu Cys Lys Asp Ile Val Lys	
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acc agc agc tca gaa gaa gct agg agt ggc aga gtg acc atc agg gac	414

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His	Pro	Asp	Asn	Leu	Thr	Phe	Thr	Val	Thr	Tyr	Glu	Ser	Leu	Thr	Leu	
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Ala	Pro	Leu	Gly	Leu	Asp	Lys	Tyr	Phe	Lys	Ile	Glu	Leu	Ser	Val	Val	
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Pro	Ser	Glu	Asp	Pro	Val	Ser	Ser	Pro	Gly	Pro	Thr	Leu	Glu	Thr	Pro	
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Val	Val	Ser	Thr	Ser	Leu	Pro	Thr	Lys	Gly	Pro	Ala	Leu	Gly	Ser	Asn	
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Thr	Glu	Asp	Arg	Arg	Glu	His	Asp	Tyr	Ser	Gln	Gly	Leu	Arg	Leu	Pro	
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Glu	Pro	Val	Leu	Pro	Ser	Gln	Val	Glu	Val	Val	Glu	Tyr	Ser	Thr	Leu	
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Ala	Leu	Pro	Gln	Glu	Glu	Leu	His	Tyr	Ser	Ser	Val	Ala	Phe	Asn	Ser	
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cag	agg	cag	gat	tct	cac	gcc	aat	gga	gat	tct	ctt	cat	caa	cct	cag	1038
Gln	Arg	Gln	Asp	Ser	His	Ala	Asn	Gly	Asp	Ser	Leu	His	Gln	Pro	Gln	
			285					290					295			
gac	cag	aaa	gca	gag	tac	agt	gag	atc	cag	aag	ccc	aga	aaa	gga	ctc	1086
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300

305

310

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 Ser Asp Leu Tyr Leu
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 Thr Met Thr Gly Ser Val Gly Gln Ser Leu Ser Val Ser Cys Gln Tyr
 35 40 45
 Glu Glu Lys Phe Lys Thr Lys Asp Lys Tyr Trp Cys Arg Gly Ser Leu
 50 55 60
 Lys Val Leu Cys Lys Asp Ile Val Lys Thr Ser Ser Ser Glu Glu Ala
 65 70 75 80
 Arg Ser Gly Arg Val Thr Ile Arg Asp His Pro Asp Asn Leu Thr Phe
 85 90 95
 Thr Val Thr Tyr Glu Ser Leu Thr Leu Asp Asp Ala Asp Thr Tyr Met
 100 105 110
 Cys Ala Val Asp Ile Pro Phe Phe Asn Ala Pro Leu Gly Leu Asp Lys

115	120	125
Tyr Phe Lys Ile Glu Leu Ser Val Val Pro Ser Glu Asp Pro Val Ser 130 135 140		
Ser Pro Gly Pro Thr Leu Glu Thr Pro Val Val Ser Thr Ser Leu Pro 145 150 155 160		
Thr Lys Gly Pro Ala Leu Gly Ser Asn Thr Glu Asp Arg Arg Glu His 165 170 175		
Asp Tyr Ser Gln Gly Leu Arg Leu Pro Ala Leu Leu Ser Val Leu Ala 180 185 190		
Leu Leu Leu Phe Leu Leu Val Gly Thr Ser Leu Leu Ala Trp Arg Met 195 200 205		
Phe Gln Lys Arg Leu Val Lys Ala Asp Arg His Pro Glu Leu Ser Gln 210 215 220		
Asn Leu Arg Gln Ala Ser Glu Gln Asn Glu Cys Gln Tyr Val Asn Leu 225 230 235 240		
Gln Leu His Thr Trp Ser Leu Arg Glu Glu Pro Val Leu Pro Ser Gln 245 250 255		
Val Glu Val Val Glu Tyr Ser Thr Leu Ala Leu Pro Gln Glu Glu Leu 260 265 270		
His Tyr Ser Ser Val Ala Phe Asn Ser Gln Arg Gln Asp Ser His Ala 275 280 285		
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Ser Gln Val Pro Gly Cys Val Pro Leu His Gly Pro Ser Thr Ile Thr	
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tgt aaa gat att gtc aag acc agc agc tca gaa gaa gtt agg aat ggc Cys Lys Asp Ile Val Lys Thr Ser Ser Ser Glu Glu Val Arg Asn Gly 65 70 75 80	240
cga gtg acc atc agg gac cat cca gac aac ctc acc ttc aca gtg acc Arg Val Thr Ile Arg Asp His Pro Asp Asn Leu Thr Phe Thr Val Thr 85 90 95	288
tat gag agc ctc acc ctg gag gat gca gac acc tac atg tgt gcg gtg Tyr Glu Ser Leu Thr Leu Glu Asp Ala Asp Thr Tyr Met Cys Ala Val 100 105 110	336
gat ata tca ctt ttt gat ggc tcc ttg ggg ttc gat aag tac ttc aag Asp Ile Ser Leu Phe Asp Gly Ser Leu Gly Phe Asp Lys Tyr Phe Lys 115 120 125	384
att gag ttg tct gtg gtt cca agt gag gac cca gtc aca ggt tcg agc Ile Glu Leu Ser Val Val Pro Ser Glu Asp Pro Val Thr Gly Ser Ser 130 135 140	432
ctt gag agt ggt aga gat atc ctg gaa tcc ccc aca tcc tca gtt ggg Leu Glu Ser Gly Arg Asp Ile Leu Glu Ser Pro Thr Ser Ser Val Gly 145 150 155 160	480
cac act cat ccc agt gtg acc aca gat gac aca att cct gct ccc tgc His Thr His Pro Ser Val Thr Thr Asp Asp Thr Ile Pro Ala Pro Cys 165 170 175	528
cct cag cct cgg tct ctt cgg agc agc ctc tac ttc tgg gtc ctg gtg Pro Gln Pro Arg Ser Leu Arg Ser Ser Leu Tyr Phe Trp Val Leu Val 180 185 190	576
tct ctg aag ttg ttc ctg ttc ctg agc atg ctt ggt gct gtc ctc tgg Ser Leu Lys Leu Phe Leu Phe Leu Ser Met Leu Gly Ala Val Leu Trp 195 200 205	624
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 35 40 45

Phe Lys Thr Lys Asp Lys Phe Trp Cys Arg Gly Ser Leu Lys Val Leu
 50 55 60

Cys Lys Asp Ile Val Lys Thr Ser Ser Ser Glu Glu Val Arg Asn Gly
 65 70 75 80

Arg Val Thr Ile Arg Asp His Pro Asp Asn Leu Thr Phe Thr Val Thr
 85 90 95

Tyr Glu Ser Leu Thr Leu Glu Asp Ala Asp Thr Tyr Met Cys Ala Val
 100 105 110

Asp Ile Ser Leu Phe Asp Gly Ser Leu Gly Phe Asp Lys Tyr Phe Lys
 115 120 125

Ile Glu Leu Ser Val Val Pro Ser Glu Asp Pro Val Thr Gly Ser Ser
 130 135 140

Leu Glu Ser Gly Arg Asp Ile Leu Glu Ser Pro Thr Ser Ser Val Gly
 145 150 155 160

His Thr His Pro Ser Val Thr Thr Asp Asp Thr Ile Pro Ala Pro Cys
 165 170 175

Pro Gln Pro Arg Ser Leu Arg Ser Ser Leu Tyr Phe Trp Val Leu Val
 180 185 190

Ser Leu Lys Leu Phe Leu Phe Leu Ser Met Leu Gly Ala Val Leu Trp
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